EXHIBIT 2

Nucleotomy of the Sheep Spine: A Pilot Study Operative Record

Datas	
Sheep Ear Tag # Wishle #4	Age (approx):
Preoperative neurological status: Normal Other:	·
Surgeons, H.B. Seim, A.S. Turner, Other:	1
Anesthetist: D. Parker, A.H.T;Other?: Ellen Shawb Surger	ry Techs.: Lauren KauSmern
Antibiotics: Ancef®(Cefazolin sodium) Pre-op: Intra-	op: Post-op:
Phenylbutazone: SURGICAL TECHNIQU	TE
Position of Sheep: RIGHT Lateral Recumbency	
-retroperitoneal approach to L3-L5 transverse process: -L2-L5 vertebral body exposure:	
Incisions in anulus fibrosus:	•
Injection ob FMatrix/BP	Sham puncture, Vetbond
trix/BP	Vetbond
of Man	√ √ ·
V <u>L5-L6</u> <u>L4-L5</u>	<u>L3-L4</u>
Treatment(circle): Treatment(circle):	Treatment(circle):
1. Window (5mm X 3mm). 1. Window (5mm X 3mm).	1. Window (5mm X 3mm).
2. Incision only. 3. Sham. 3. Sham.	2 Incision only 5 mm
	3. Sham.
Closure:	ppg , =) /-
Subcuataneous tissues (Circle): 2/Dexon; 2/0 Vicryl; 2/0 Skin (circle): 2/0 Nylon, Stainless skin steel staples	PDS
Choice 27 o 1 17 ton, Summoss skin steel stupies	* ~ 0.2ml matrix
Intraoperative Complications (describe):	** L5-L6 ** NO. 2 ml matrix injected. Sealed with
Postoperative Complications(describe):	Vetbond
Immediate (Day 1) postoperative neurologic status:	L3-L4
0 = Walking w/o any detectable ataxia	chan ouncture headle
 1 = Walking, slightly ataxic 2 = Walking, but with noticeable waekness on one side or both sides 	incortion Coll touch
3 = Able to stand on forelimbs but dragging rear limbs	sham puncture, needle insertion felt rough, as if fibrous
4 = Recumbent and unable to rise.	112000
Observations made by: William Atlanta Date	e:

Disc Replacement Therapy Following Intervertebral Disc Degeneration: A Pilot Study in Sheep Operative Record #2

	Date:	·
Sheep Ear Tag # 4 purpic		Age (approx):
Preoperative neurological status No.	rmal Other:	
Surgeons: H.B. Seim A.S. Turner,	. Southwood Othe	er:
Anesthetist: D. Parker, A.H.T;C	Other?:	Surgery Techs.: Lauren Kauffman
Antibiotics: Ancef®(Cefazolin sodium	n) Pre-op: X	Intra-op: X Post-op: X
Phenylbutazone: _X_		•
So so I soon I to	SURGICAL TECH	INIQUE
Pre-op 4 small vacutainers of	blood for sen	um
Position of Sheep: RIGHT Lateral I	Recumbency	
-retroperitoneal approach to I	L3-L5 transverse pr	rocess:
-L2-L5 vertebral body expositions of incisions in anulus fibrations.	ure:	
Locations of incisions in angles no	rosus:	* 43 disc spaces identified
	م المالية	w/ 20ga needle
an Ch	H H H.	
	7	
		
)
L5-L6		
Treatment:	<u>L4-L5</u>	L3-L4
	atment:	atment:
Sha	m	ision only.
Treatment 2 moths after nucleotomy	/ <u>*</u>	islon only.
L5-L6 (caudal)		L3-L4 (cranial)
Treatment: PF matrix (BP 0.2ml	Treatment:	Treatment:
w/ Vetbond Seal	control-	Sham n syringe puncture 4
	palpated only	
	•	Vetbond Seal
		NB. needle insertion feit rough a fibrous +
Closure:		2-0
Fascia: () Dexon; Other:	Subcuataneou	s tissues: 2/Dexon: Other:
Skin/2/0 Nylon Other		continuous
Intraoperative Complications (descri	ibe):	
Immediate (Day 1) postoperative neu	irologia status.	Observations we do have a
0 = Walking w/o any detectable ataxi	a	Observations made by:
1 = Walking, slightly ataxic		Data:

2 = Walking, but with noticeable waekness on one side or both sides.

3 = Able to stand on forelimbs but dragging rear limbs

4 = Recumbent and unable to rise.

Date:

Sheeptt Taken, 4 small vacutainers

1 Sham - Syringe Phnchure / Seal 4 L3-L4 (cran

1 theorement 5 y w/ PFmatrix/BP L5-L6 (cawda)

1 Control L4-L5

* 20.2ml matrix/BP was injected into L5-L6 caudal disc Puncture sealed with Vetbond.

* Sham puncture: needle insertion felt rough into L3-1 possibly fibrons. Puncture sealed with Vetbond.